IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) A transistor, comprising:

a substrate;

a nitrogen-free polysilicon electrode contacting a portion of the substrate; and

- a gate oxide disposed between the substrate and the nitrogen-free polysilicon electrode, the gate oxide including about 0.5% nitrogen by atomic weight at an interface with the substrate, the nitrogen progressively increasing to comprise between 2.5% and 10.0% nitrogen by atomic weight at an interface with the nitrogen-free polysilicon electrode, the gate oxide hardened using a remote plasma-based nitrogen hardening treatment and annealed thereafter.
- 2. (Previously presented) The transistor of claim 1, wherein the nitrogen-free polysilicon electrode has a bottom surface comprising a P-type dopant.
 - 3. (Original) The transistor of claim 2, wherein the P-type dopant is boron.
- 4. (Original) A surface P-channel transistor, comprising:

a substrate;

a nitrogen-free polysilicon electrode contacting a portion of the substrate, the electrode comprising a P-type dopant including boron; and

a gate oxide disposed between the substrate and the nitrogen-free polysilicon electrode, the gate oxide including about 0.5% nitrogen by atomic weight at an interface with the substrate, the nitrogen progressively increasing to comprise between 2.5% and 10.0% nitrogen by atomic weight at an interface with the nitrogen-free polysilicon electrode, the gate oxide hardened using a remote plasma-based nitrogen hardening treatment and annealed thereafter.

- 5. (Previously presented) The surface P-channel transistor of claim 4, wherein the gate oxide comprises a hardened gate oxide using the remote plasma-based nitrogen hardening treatment using a high density plasma process for approximately 60°C for about 10 seconds using about 1500 watts of power.
- 6. (Previously presented) The surface P-channel transistor of claim 4, wherein the gate oxide comprises hardening the gate oxide using a thermal remote plasma-based nitrogen hardening treatment process at approximately 750°C for about 2 minutes.
- 7. (Previously presented) The surface P-channel transistor of claim 4, wherein the gate oxide comprises a hardened gate oxide annealed at approximately 800°C for approximately 60 seconds.

Please add the following new claims:

8. (New) A transistor, comprising:

a substrate;

- a nitrogen-free polysilicon electrode contacting a portion of the substrate; and
- a gate oxide disposed between the substrate and the nitrogen-free polysilicon electrode, the gate oxide including essentially 0.5% nitrogen by atomic weight at an interface with the substrate, the nitrogen progressively increasing to comprise essentially in the range of between 2.5% and 10.0% nitrogen by atomic weight at an interface with the nitrogen-free polysilicon electrode, the gate oxide hardened using a remote plasma-based nitrogen hardening treatment and annealed thereafter.
- 9. (New) The transistor of claim 8, wherein the nitrogen-free polysilicon electrode has a bottom surface comprising a P-type dopant.
 - 10. (New) The transistor of claim 8, wherein the P-type dopant includes boron.

- 11. (New) A surface P-channel transistor, comprising: a substrate;
- a nitrogen-free polysilicon electrode contacting a portion of the substrate, the electrode comprising a P-type dopant including boron; and
- a gate oxide disposed between the substrate and the nitrogen-free polysilicon electrode, the gate oxide including essentially 0.5% nitrogen by atomic weight at an interface with the substrate, the nitrogen progressively increasing to comprise essentially in the range of between 2.5% and 10.0% nitrogen by atomic weight at an interface with the nitrogen-free polysilicon electrode, the gate oxide hardened using a remote plasma-based nitrogen hardening treatment and annealed thereafter.
- 12. (New) The surface P-channel transistor of claim 4, wherein the gate oxide comprises a hardened gate oxide using the remote plasma-based nitrogen hardening treatment using a high density plasma process for essentially 60°C for about 10 seconds using essentially 1500 watts of power.
- 13. (New) The surface P-channel transistor of claim 4, wherein the gate oxide comprises hardening the gate oxide using a thermal remote plasma-based nitrogen hardening treatment process at essentially 750°C for essentially 2 minutes.
- 14. (New) The surface P-channel transistor of claim 4, wherein the gate oxide comprises a hardened gate oxide annealed at essentially 800°C for essentially 60 seconds.